

## REMARKS

Claims 1-8 are pending in the application. Claims 1-8 are rejected. Claims 1 and 6 have been amended. Claims 4 and 5 have been canceled. Claims 9-11 are withdrawn.

The abstract was objected to. The abstract has been replaced with a new abstract.

The drawings were objected to. The specification has been amended and corrected drawings sheets are attached to correct the drawings by changing label "32" in Figure 1 to label "31". The output of FIR 30 in Figure 2 is IOOUT\_P and IOOUT\_N.

Claims 1-8 were rejected under 35 USC 112, second paragraph. The output in claim 1 is the tap coefficient current. The inputs in amended claim 1 are the sample decisions and equalization coefficients. The claims, as amended, are believed to be allowable under 35 USC 112, second paragraph.

Claims 1-8 were rejected under 35 USC 101. Claims 1 and 6 disclose statutory subject matter including a tap multiplication circuit having transistors for outputting tap coefficient currents.

Claims 2 and 3 depend from claim 1. Claims 7 and 8 depend from claim 6. Therefore, claims 1-3 and 6-8 are believed to be statutory subject matter under 35 USC 101.

It is believed that the above remarks and amendments are fully responsive to the Official Action. Reconsideration and allowance are therefore respectfully requested.

Should the Examiner have further inquiry concerning these matters, please contact the below named attorney for Applicant.

Respectfully submitted,

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